

# Environmental Update

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*Ensuring Environmentally Sound Mission Success*

# Hot Topics

- New Executive Order 13423
- Environmental Functional Reviews
- I&A Risk Management
- Encroachment Study

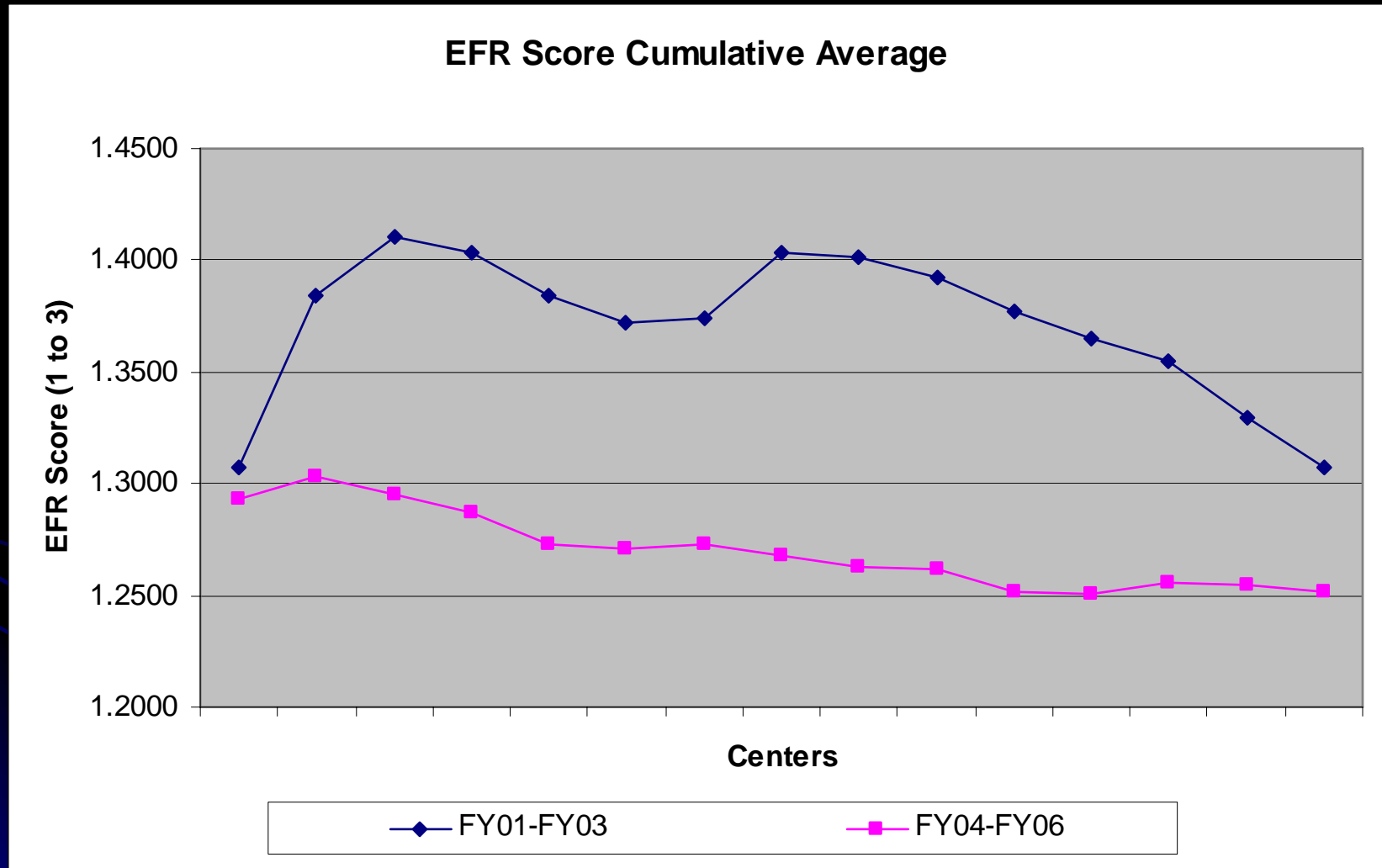
# EO 13423

- January 26, 2007
- Combines/adds to 5 older EO's on Environmental, Energy, & Transportation
- EMS strengthened; crosscutting
- Toxic/hazardous chemical reductions
- Sustainable acquisition program
- Sustainable facilities design
- Semiannual OMB Scorecard rating

# Environmental Functional Reviews

- Two full 3-year cycles completed
- Changes for next 3-year cycle
  - EMS
    - Implementation required complete by December 2005
    - No more “in progress” rating
  - Technical:
    - ~½ Staffing in formerly Green media

# Technical Status



# Technical Status

## Agency Media Score Averages 2<sup>nd</sup> Round EFRs -- 2004-2006

AR	CR	HM	HW	NR	OTH	PST	POL	SW	ST	TX	WW	WQ	Average
1.07	1.00	1.40	1.73	1.00	1.07	1.00	1.27	1.07	1.27	1.13	1.13	1.40	1.19
G	G	G	Y	G	G	G	G	G	G	G	G	G	G

# EMS Status

- Anecdotaly, EMS programs are improving across the board
  - Challenges in “doing what we wrote” and maintaining documents up to date
- Difficult to compare during first 2 cycles due to changing standards, ISO sites, and “in progress” ratings

# EFR Issues/Concerns

- What is the baseline grade?
- Evaluation of Staffing and Resources
- Decline of Infrastructure
  - Repair/maintenance budget
  - Ability to leverage outside the Envir. Office
- Evaluation of Management Support
  - Are they aware?
  - Are they doing what can be done?
- How to communicate this to management in a way that initiates *appropriate* action



# I&A Risk Management

- Ensure that risks are prioritized with consideration of Agency mission
- Interfacing with Mission Directorates to ensure unified mitigation of risks
  - Communicate in their “language”
  - Dedicated I&A detailee to Cx Program
- Examples of Risk Issues
  - Chemical Obsolescence
  - Regulatory “Creep”
  - Encroachment

# Encroachment Issues

- Centers and facilities need resources to execute center operations and support program and project missions.
- Execution and support are limited by external pressures and resource availability.
- These impacts are collectively defined as “*encroachment*”.
- Identifying and understanding risks from encroachment are one key to implementing institutional risk management.

# Encroachment Background

- **Encroachment is the cumulative impact of pressures placed on NASA's infrastructure, Centers, Facilities and the surrounding communities resulting from:**
  - ❖ **Increased site specific development and urbanization**
  - ❖ **Increased external requirements**
  - ❖ **Competition for resources, such as air, water, radio spectrum**
  - ❖ **Rising costs and reliability of energy and other resources required by NASA**
- **These pressures cause increased mission costs, schedule disruptions, and pose challenges to performance requirements.**
- **Infrastructure and Administration (I&A), in conjunction with center staff, will hold two day encroachment workshops at each Center/Facility.**

# **Encroachment Workshop Goals**

- **At the conclusion of the workshop, each Center/Facility will have:**
  - ❖ **Identified encroachment risks to center operations and mission**
  - ❖ **Developed mitigation strategies to manage/mitigate risks**
  - ❖ **Begun to incorporate these risk strategies in the center's master plan and management systems as appropriate**
  - ❖ **Begun to incorporate these risks into their risk database**
- **In order for the workshops to succeed, participants must represent a balanced cross-section of the Center/Facility institutional and mission functions.**
- **Center/Facility encroachment risks will be consolidated to help identify potential Agency level risks to be incorporated into the developing I&A risk management process.**

# Contact Information

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